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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	121056-042
	First Inventor	Yoshitaka YOSHIZAWA et al.
	Title	CHANNEL SELECTOR VALVE AND METHOD OF...
	Express Mail Label No.	EL697545424

APPLICATION ELEMENTS		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231	
See MPEP chapter 600 concerning utility patent application contents.			
1. <input checked="" type="checkbox"/>	Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i>	7. <input type="checkbox"/>	CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i>
2. <input type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27.	8. <input type="checkbox"/>	Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>
3. <input checked="" type="checkbox"/>	Specification [Total Pages 321] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none">- Descriptive title of the invention- Cross Reference to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings <i>(if filed)</i>- Detailed Description- Claim(s)- Abstract of the Disclosure	a. <input type="checkbox"/>	Computer Readable Form (CRF)
		b. <input type="checkbox"/>	Specification Sequence Listing on: <ul style="list-style-type: none">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); orii. <input type="checkbox"/> paper
		c. <input type="checkbox"/>	Statements verifying identity of above copies
4. <input checked="" type="checkbox"/>	Drawing(s) (35 U.S.C. 113) [Total Sheets 62]	ACCOMPANYING APPLICATION PARTS 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 <i>(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</i> 17. <input type="checkbox"/> Other:	
5. <input type="checkbox"/>	Oath or Declaration [Total Pages <input]]<="" span="" type="checkbox"/><ul style="list-style-type: none">a. <input type="checkbox"/> Newly executed (original or copy)b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i><ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		
6. <input type="checkbox"/>	Application Data Sheet. See 37 CFR 1.76		
18. <input type="checkbox"/>	If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 09/743,079 Prior application information: Examiner William Wayner Group / Art Unit: 3744		

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		35684 or <input type="checkbox"/> Correspondence address below <small><i>(Insert Customer No. or Attach bar code label here)</i></small>	
Name	Michael S. Gzybowski BUTZEL LONG		
Address	350 South Main Street Suite 300		
City	Ann Arbor	State	MI Zip Code 48104
Country	US	Telephone	734-995-3110 Fax 734-995-1777

Name (Print/Type)	Michael S. Gzybowski	Registration No. (Attorney/Agent)	32,816
Signature	<i>Michael S. Gzybowski</i>	Date	August 5, 2003

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03917 U.S. PTO
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08/05/03

08/05/03



PTO/SB/17 (1-03)

Approved for use through 04/30/2003. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

\$1,656.00

Complete if Known

Application Number

Filing Date

August 5, 2003

First Named Inventor

Yoshitaka YOSHIZAWA et al.

Examiner Name

Group Art Unit

Attorney Docket No.

121056-042

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number

12-2136

Deposit Account Name

BUTZEL LONG

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	750.00
1002	330	2002	165	Design filing	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

2. EXTRA CLAIM FEES FOR UTILITY AND

	Extra Claims			Fee from below	Fee Paid
Total Claims	33	-20** =	13	18.00	234.00
Independent Claims	11	-3** =	8	84.00	672.00
Multiple Dependent					

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non - English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR § 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Statement	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

SUBMITTED BY

Name (Print/Type)

Michael S. Gzybowski

Registration No.
(Attorney/Agent)

32,816

Complete (if applicable)

Telephone

734-995-3110

Signature

Date

August 5, 2003

WARNING: Information in this form may become public. Credit card information should not be included in this form. Provide credit card information and authorization.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Yoshitaka YOSHIZAWA et al.

Docket No.

121056-042

Serial No.

Filing Date
August 5, 2003

Examiner

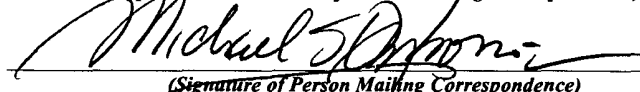
Group Art Unit

Invention: **CHANNEL SELECTOR VALVE AND METHOD OF DRIVING THE SAME, COMPRESSOR WITH THE CHANNEL SELECTOR VALVE, AND DEVICE FOR CONTROLLING REFRIGERATING CYCLE**

I hereby certify that the following correspondence:

New Divisional Patent Application*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

August 5, 2003*(Date)*Michael S. Gzybowski*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL697545424US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

"EXPRESS MAIL" COVER LETTER
U.S. PATENT APPLICATIONS

Date: August 5, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Application for United States Letters Patent

APPLICANTS: Yoshitaka YOSHIKAWA; Kenji SUZUKI; Mitsuaki NODA; Shigeru KUBOTA;
Tadashi AOKI; Hiroshi ITO; Nobuyuki KIUCHI; and Seiichi NAKAHARA

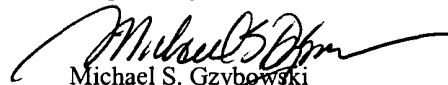
TITLE OF INVENTION: CHANNEL SELECTOR VALVE AND METHOD OF DRIVING
THE SAME, COMPRESSOR WITH THE CHANNEL VALVE,
AND DEVICE FOR CONTROLLING REFRIGERATING CYCLE

Sir:

Forwarded herewith is the above-identified application, consisting of the following:

Express Mail Cover Letter (Certificate of Mailing)
Application Transmittal
Original Specification (284 pages), Claims (36 pages) and Abstract (1 page)
62 Sheets Formal Drawings
Information Disclosure Statement
Preliminary Amendment
Fee Transmittal
Return Post Card
Substitute Specification (clean copy)
Substitute Specification (marked-up copy)

Respectfully submitted,

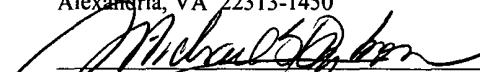

Michael S. Gzybowski
Reg. No. 32,816
Attorney for Applicant

BUTZEL LONG
350 South Main Street
Suite 300
Ann Arbor, MI 48104
734-995-3110 (ph)

"EXPRESS MAIL" Mailing No. EL697545424US

Date of Deposit: August 5, 2003

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Michael S. Gzybowski